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2 Asymptotic performance for orthogonal signalling on fading, nonGaussian channels

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Pages:581 - 591

[\[Abstract\]](#) [\[PDF Full-Text \(756 KB\)\]](#) IEEE JNL

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... asking questions, and for other **communication** purposes. ... many papers on structural **reliability** available in ... To (1) sample attendance, (2) **assess** the progress of ...

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... models and extend them to a **reliable** estimation of ... to be solved is to establish **communication** between pairs ... l) in terms of traffic models to **assess** the effect ...

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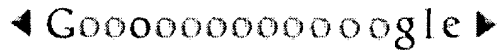
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An Idealized Fault-Tolerant Architectural Component - Guerra, Rubira, de Lemos (2002) (Correct)

....for this kind of systems [24] alternative approaches have to be sought in order for obtaining trustworthy systems. **One of these approaches is fault tolerance, which is associated with the ability of a system to deliver services according with its specification in spite the presence of faults [12].** In this paper, we employ the concept of idealized fault tolerant component [1] for describing fault tolerant component based systems, at the architectural level. **For representing software systems at the architectural level, we have chosen the C2 architectural style for its ability to**

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault Tolerance*, chapter 1, pages 1--28. Blackwell Scientific Publications Ltd., 1989.

Safety-Critical Systems, Formal Methods and Standards - Bowen, Stavridou (1993) (9 citations) (Correct)

....and hardware are often used. **However implemented, we require that safety critical systems are dependable. There are many terms associated with dependability, and considerable international effort has been expended to standardize these [83] The accepted definition of the overall concept is [82]: Dependability is that property of a computing system which allows reliance to be justifiably placed on the service it delivers.** The life of a system is perceived by its users as an alternation between proper and improper service. **Delivery of proper service (service which adheres to specified**

....service. **Delivery of proper service (service which adheres to specified requirements) is normally termed correctness. Therefore a correct system is not necessarily a dependable system. Dependability is an overall property which has other measures such as safety, reliability and availability. Laprie [82] defines these terms as follows: Safety is a measure of the continuous delivery of service free from occurrences of catastrophic failures. Reliability is a measure of the continuous delivery of proper service (where service is delivered according to specified conditions) or equivalently of the**

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LAPRIE, J.C.: '*Dependability: a unifying concept for reliable computing and fault tolerance*' in ANDERSON, T. (Ed.): '*Dependability of Resilient Computers*', chapter 1 (Blackwell Scientific Publications, Oxford, 1989) pp. 1--28

Safety-Critical Systems, Formal Methods and Standards - Bowen, Stavridou (1992) (9 citations) (Correct)

....and hardware are often used. **However** implemented, we require that safety critical systems are dependable. **There are many terms associated with dependability, and considerable international effort has been expended to standardize these [75] The accepted definition of the overall concept is [74]: Dependability is that property of a computing system which allows reliance to be justifiably placed on the service it delivers.** The life of a system is perceived by its users as an alternation between proper and improper service. **Delivery** of proper service (service which adheres to specified

....service. **Delivery** of proper service (service which adheres to specified requirements) is normally termed correctness. **Therefore** a correct system is not necessarily a dependable system. **Dependability is an overall property which has other measures such as safety, reliability and availability.** Laprie [74] defines these terms as follows: **Safety is a measure of the continuous delivery of service free from occurrences of catastrophic failures. Reliability** is a measure of the continuous delivery of proper service (where service is delivered according to specified conditions) or equivalently of the

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LAPRIE, J.C.: '*Dependability: a unifying concept for reliable computing and fault tolerance*' in ANDERSON, T. (Ed.): '*Dependability of Resilient Computers*', chapter 1 (Blackwell Scientific Publications, Oxford, 1989) pp. 1--28

An Intrusion-Tolerant Security Server for an Open.. - Laurent Blain Yves (1990) (1 citation) (Correct)

....to prevent covert channels which can be easily implemented by communications between workstations or by a memory channel within a workstation. **II. THE DELTA 4 INTRUSION TOLERANT APPROACH** An intrusion can be defined as a deliberate interaction fault. **The definition of fault is given by [LAP 89] Intrusions can be treated with the same means as for other faults (fault avoidance and fault tolerance) The means used to provide security in architectures described above is intrusion avoidance.** On the contrary, the means used in our approach is intrusion tolerance. **It is based on the**

LAPRIE J.C., "*Dependability: A Unifying Concept for Reliable Computing and Fault Tolerance*", in Dependability of Resilient Computing Systems, Blackwell Scientific Publications, T. Anderson editor, 1989, pp. 1-28.

Modeling Manufacturing Dependability - Armen Zakarian And (Correct)

....with imperfect repair and coverage, unstable queuing systems, and systems with fluctuating workloads. **In this paper, a dependability model for evaluation of performance of a manufacturing system is presented. The meaning of dependability here is twofold: 1) system availability and reliability [10]; 2) dependence of the performance of manufacturing system on the performance** 1042 296X 97 10.00 1997 IEEE 162 IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION, VOL. 13, NO. 2, APRIL 1997 of its individual physical subsystems and components.

The model considers the task based availability of a

J. C. Laprie, and A. Costes, "Dependability: A unifying concept for reliable computing," in Proc. FTCS-12, June 1982, pp. 18-21.

A Transactional Approach to Redundant Disk Array Implementation - Courtright, II (1997)
(3 citations) (Correct)

....The operations are executed with an expected behavior, or semantic, and the fault model specifies the effects, if any, of predictable faults upon this behavior. 10 2. 2 Metrics Ultimately, two metrics are used to measure the dependability of computing equipment: **reliability** and availability [Laprie82] **Reliability** is the **probability** that a device will operate without failing for a period of time, t , and is computed as: $EQ 2 1$) where $h(x)$ is the failure rate or hazard function of the system which specifies the instantaneous failure rate of the device. If a system is known to have a constant

....errors from a system fall into two general classes: forward error recovery and backward error recovery. **Forward error recovery methods remove the effects of an error by moving the system to a new, corrected state whereas backward error recovery returns the system to a previous state [Lee90c, Laprie82]** Perhaps the most popular method of forward correction is simply retrying an operation. This method can be used to correct errors due to the failure of idempotent operations which are the result of a transient fault. **Idempotent** operations have the property that state changes are not a function

Laprie, J. C. and Costes, A. "Dependability: a unifying concept for reliable computing." Proceedings of the 12th International Symposium on Fault-Tolerant Computing (FTCS-12). Los Alamitos, CA: IEEE Computer Society Press. Santa Monica, CA (June 22-24, 1982) 18-21.

Real-Time Group **Communication** in a Quasi-Synchronous System - Almeida, Veríssimo (1995)
(Correct)

....reality: protocols may be correct accordingly to the model, but fail in practice. **In** order to have a protocol that works correctly, it needs to be correct in the sense that it corresponds to the assumed model, and the model must be correct in the sense that it corresponds to the reality. **Coverage [11, 12] is a measure of the representativity of the situations to which a system is submitted during its validation compared to the actual situations it will be confronted with during its operational life.** Two different protocols built assuming the same fault model can have different coverage. **They** will

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault-Tolerance*. In T. Anderson, editor, Dependability of Resilient Computers. BSP Professional Books, 1989.

An Adaptive Real-Time Group **Communication** Protocol - Almeida, Veríssimo (1995) (1 citation)
(Correct)

....reality: protocols may be correct accordingly to the model, but fail in practice. **In** order to have a protocol that works correctly, it needs to be correct in the sense that it corresponds to the assumed model, and the model must be correct in the sense that it corresponds to the reality. **Coverage [10, 11] is a measure of the representativity of the situations to which a system is submitted during its validation compared to the actual situations it will be confronted with during its operational life.** Two different protocols built assuming the same fault model can have different coverage. **They** will

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault-Tolerance*. In T. Anderson, editor, *Dependability of Resilient Computers*. BSP Professional Books, 1989.

Automated Dependability Analysis of UML Designs - Bondavalli, Majzik, Mura (1999) (Correct)

...open systems. An effective design process requires an early validation of the concepts and architectural choices, without wasting time and resources before realising whether the system fulfils its objectives or needs some re design. **The early evaluation of system characteristics like dependability [9], timeliness and correctness, is thus, together with other techniques, necessary to assess whether the system being developed satisfies its targets.** This is the main objective of the European ESPRIT project HIDE. **HIDE** aims at the creation of an integrated environment where UML based design

J.C. Laprie, "*Dependability: a Unifying Concept for Reliable Computing and Fault Tolerance*," in "*Dependability of Resilient Computers*", T. Anderson Ed., BSP Professional Books, 1989, pp. 1-28.

Automatic Dependability Analysis for Supporting Design.. - Bondavalli, Majzik, Mura (1999) (Correct)

...the design of a variety of systems from small control systems to large and complex open systems. An effective design process should also include an early validation of the concepts and architectural choices underlying system design. **The early evaluation of system characteristics like dependability [11], timeliness and correctness, necessary to assess whether the system being developed satisfies its targets, becomes especially important for designing systems supporting critical applications.** The validation of designs described using UML is the main objective of the European ESPRIT project HIDE.

J.C. Laprie, "*Dependability: a Unifying Concept for Reliable Computing and Fault Tolerance*," in "*Dependability of Resilient Computers*", T. Anderson Ed., BSP Professional Books, 1989, pp. 128.

Programming Languages for Distributed Applications - Haridi, Van Roy, Brand, Schulte (1998) (15 citations) (Correct)

...comes from having multiple sites in the system. **This** gives fault tolerance even in the absence of persistence. **More** refined fault tolerance based on persistence and transactions will be added later. 6. 1 **The containment principle Fault tolerance is a property that crosses abstraction boundaries [18].** An example will make this clear. **Most** existing systems (we include applications) do not handle time correctly. **What** they do is let a lower layer make an irrevocable decision, in the form of a time out that does not let the system continue. **Say** there is a time out in a lower layer, for example in

...of its components. **Resource** control and security are global issues, i.e. they cross abstraction boundaries [2] just like fault tolerance. **The** issues must therefore be addressed at each layer. **We** briefly discuss what can be done in Distributed Oz. **Fault tolerance and security have much in common [18], including the reliance on containment and redundancy.** But they focus on very different classes of failures. **For** example, an important part of security is resource control because exhausting resources is a common technique to provoke intentional failures (denial of service attacks) Resource

J. C. Laprie. *Dependability: A unifying concept for reliable computing and fault tolerance*. In 7th International Conference on Distributed Computing Systems, pages 129--146, September 1987.

Self-Diagnosis of Grid-Interconnected Systems, with Application.. - Chessa (1999) (Correct)

...evaluation The main concern in fault tolerance is to determine the minimum amount of redundancy of the right kind required to manage faults in the fault model addressed. **For this purpose several measures of fault tolerance have been proposed, the most relevant are reliability and availability [LC82].** The **reliability** $R(t)$ gives a measure of the continuous operational time of a system, and it is defined as the conditional **probability** that a system is operational during the interval $(0, t)$ given that it was operational at time $t=0$. **This measure is particularly meaningful in many real time ...**

Laprie, J., C. and Coste, A., "*Dependability: A Unifying Concept for Reliable Computing*", Proceedings of the 12 th Fault Tolerant Computing Symposium, 1982, pp. 18-21.

Quasi-Synchronism: a step away from the traditional.. - Veríssimo.. (1995) (1 citation) (Correct)

...to each property, and on an appropriate architecture capable of timing error processing, in order to achieve (timing) fault tolerance. **We will address these issues in section 4. For now, let us suggest that it is a realistic scenario to have a bi modal distribution of a given bound, 1 Coverage [12, 15] is a measure of the representativity of the situations to which a system is submitted during its validation compared to the actual situations it will be confronted with during its operational life.** where there is a known and very high **probability** that the system s operational envelope lies

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault-Tolerance*. In T. Anderson, editor, Dependability of Resilient Computers. BSP Professional Books, 1989.

Software Fault-Tolerance Techniques from a Real-Time Systems.. - Hiller (1998) (Correct)

...Techniques from a Real Time Systems Point of View 3 2. **Concepts of dependability 2. 1 Introduction Since the dawn of computing a lot of work has been carried out in attempts to produce a precise and rigorous terminology for the area of dependable computing, for example in [Avi75] And82] Kop82][Lap82].** These efforts have been compiled and refined to form the currently accepted basic concepts and terminology as described in [Lap92] The remainder of this section is based on [Lab92] and addresses the basic concepts and terminology of dependability. **The subsections go more into detail on the**

Laprie J.C., Costes A., *Dependability: A Unifying Concept for Reliable Computing*, Proceedings of the 12 th International Symposium on FaultTolerant Computing, pp. 18-21, 1982

The Timely Computing Base - Veríssimo, Casimiro (1999) (Correct)

.... **These designs fail because: a) although time free by specification, they rely on time, often in the form of timeouts, and are thus prone to timing failures, without taking measures to counter them (because they were not 11 supposed to exist) b) in consequence, by not ensuring error confinement[28] they sometimes let timing failures contaminate (logical) safety properties 2 .** The violation of safety properties, such as having processes choose different values in consensus, because of erroneous timeout based error detection, is well exemplified in [5, 12] The contamination problem was

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault-Tolerance*. In Resilient Computing Systems, volume 2. Collins and Wiley, 1987.

Formal Methods: Use and Relevance for the Development of.. - Barroca, McDermid (1992)
(26 citations) (Correct)

....these have lead to safety related incidents . 2. **1 Safety integrity goals and assurance** In this section we discuss the objectives of techniques for producing software with a high degree of safety integrity although following Laprie we more often use the term dependable, or dependability [Lap86] Also we present some fundamental principles which we believe facilitate the assessment of the contribution to safety of various (alternative) software development techniques. To simplify the discussion we will assume that the system to be produced is to be assessed by some agency independent

J-C Laprie. *Dependability: A unifying concept for reliable computing and fault tolerance*. Technical Report 86.357, LAAS, Toulouse, 1986. To appear in Resilient Computing Systems ed T. Anderson, Collins and Wiley.

The t/(n-1)-VP Approach to Fault-Tolerant Software - Xu, Randell (Correct)

.... errors lead to common mode failures, and distinct errors only cause independent failures; 2) all variants have the same **probability** of fault manifestation (or error) 3) only a single fault type, either independent or related, may appear during the execution of the scheme and no compensation [28] may occur between errors of the variants and of the adjudicator, ie, either an error is detected or it causes an incorrect output; 4) probabilities of independent and related faults are significantly low such that the **probability** p can be approximated to 1 (as assumed by others in similar

....faults are allowed to be arbitrary (descriptions about these models are provided in [17, 27] 3.2. **Detailed Reliability and Safety Models** We consider in this paper two different but complementary attributes of dependability: the continuity of service and the non occurrence of catastrophic failure [28]. In general, we define software **reliability** as a measure of the time to failure and its safety as a measure of the time to catastrophic failure [16, 28] The time (or the specified exposure period) in this definition is a relative concept and may mean a single run, a number of runs, or time

[Article contains additional citation context not shown here]

J.-C. Laprie, "*Dependability: A unifying concept for reliable computing and fault tolerance*", Dependability of Resilient Computers (T. Anderson, Ed), 1989, pp 1-28; BSP Professional Books.

The Quasi-Synchronous approach to Distributed Real-Time.. - Almeida, Veríssimo (Correct)

....envelope lies within a smaller, normal bound, whereas it can assume, with correspondingly very low **probability**, a greater worst case bound, in situations of overload, for example. Then, generalizing, nothing prevents the system from being equated around a multi modal distribution. **1 Coverage [10, 11]** is a measure of the representativity of the situations to which a system is submitted during its validation compared to the actual situations it will be confronted with during its operational life. Figure 2 exemplifies best what we are talking about, with several bounds for maximum message

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault-Tolerance*. In T. Anderson, editor, Dependability of Resilient Computers. BSP Professional Books, 1989.

Integrating Dependability Analysis into the Design of Distributed.. - Kantz (1991) (Correct)

....Modern technology now allows the use of computer systems to perform complex control task which are no longer manageable by human operators. **Moving** control from humans to computers increases the computers importance and criticality. **This development forces the designer to deal with dependability [Lap89] aspects and to analyse possible faults and their impact on the system behaviour.** Dependability analysis deals with the estimation and analysis of failures and performs a quantitative assessment of the system. A systematic design of systems is normally characterised by close interaction and

J. C. Laprie. *Dependability: A Unifying Concept for Reliable Computing and Fault Tolerance*. In T. Anderson, Editor, *Dependability of Resilient Computers*, pages 1--28. BSP Professional Books, Oxford, 1989.

Programming Languages for Distributed Applications - Haridi, Van Roy, Brand, Schulte (1998)
(15 citations) (Correct)

....of persistence. **More** refined fault tolerance based on persistence and transactions will be added later. 10 In the current system, a remote site is started by the Unix remote shell command (rsh) 6. **1 The containment principle Fault tolerance is a property that crosses abstraction boundaries [27].** An example will make this clear. **Most** existing systems (we include applications) do not handle time correctly. **What** they do is let a lower layer make an irrevocable decision, in the form of a time out that does not let the system continue. **Say** there is a time out in a lower layer, for example in

....of its components. **Resource** control and security are global issues, i.e. they cross abstraction boundaries [2] just like fault tolerance. **The** issues must therefore be addressed at each layer. **We** briefly discuss what can be done in Distributed Oz. **Fault tolerance and security have much in common [27], including the reliance on containment and redundancy.** But they focus on very different classes of failures. **For** example, a crucial part of security is resource control because Network Operating system Network interface OS interface Emulator Operating system Emulator User Oz program Bytecode

J. C. Laprie. *Dependability: A unifying concept for reliable computing and fault tolerance*. In 7th International Conference on Distributed Computing Systems, pages 129--146, September 1987.

On Dependability Evaluation of Mesh Connected Multiprocessors - Mohapatra, Das (1995) (Correct)

....width of a network is the minimum number of wires that have to be removed in order to partition the network into two halves with identical (within Sigma1) number of processors. **z Dependability is a generic term used to address reliability, availability, maintainability, and the related issues [2].** Fault tolerant study of mesh connected computers has been primarily focussed on the design and analysis of reconfigurable systems [6 8] Earlier work on **reliability** of twodimensional mesh structures (processor arrays) approaches the problem from a different perspective [9,10] It uses a

J. C. Laprie and A. Costes, "*Dependability: A Unifying Concept for Reliable Computing*," FTCS-12, pp. 18-21, June 1982.

Integrated Formal Methods with Richer Methodological Profiles.. - Galloway (1996) (2 citations)
(Correct)

....greatest promoted use of formal methods when the cost of applying them is easiest to justify against

the cost of not applying them has been in the area of Safety Critical Systems where software defects can result in injury or death. **The study of Safety Critical and Dependable Systems [BS93, Lap89, Lev85, And85, MB92, McD93, McD96] has produced an effective framework for understanding and reasoning about safety and dependability issues as well as an established subject terminology.** One of the main vehicles for understanding and classifying safety scenarios is through the notion of risk.

J. C. Laprie. *Dependability: a unifying concept for reliable computing and fault tolerance*, chapter 1. Blackwell Scientific Publications, 1989.

Safety-Critical Systems, Formal Methods and Standards - Bowen, Stavridou (1993) (9 citations)
(Correct)

....and hardware are often used. **However** implemented, we require that safety critical systems are dependable. **There are many terms associated with dependability, and considerable international effort has been expended to standardize these [75] The accepted definition of the overall concept is [74]: Dependability is that property of a computing system which allows reliance to be justifiably placed on the service it delivers.** The life of a system is perceived by its users as an alternation between proper and improper service. **Delivery** of proper service (service which adheres to specified

....Delivery of proper service (service which adheres to specified requirements) is normally termed correctness. **Therefore** a correct system is not necessarily a dependable system. **Dependability** is an overall property which has other measures such as safety, **reliability** and availability. **Laprie [74] defines these terms as follows: Safety is a measure of the continuous delivery of service free from occurrences of catastrophic failures. Reliability** is a measure of the continuous delivery of proper service (where service is delivered according to specified conditions) or equivalently of the

[Article contains additional citation context not shown here]

LAPRIE, J.C.: '*Dependability: a unifying concept for reliable computing and fault tolerance*' in ANDERSON, T. (Ed.): '*Dependability of Resilient Computers*', chapter 1 (Blackwell Scientific Publications, Oxford, 1989) pp. 1--28

Safety-Critical Systems, Formal Methods and Standards - Bowen, Stavridou (1993) (9 citations)
(Correct)

....and hardware are often used. **However** implemented, we require that safety critical systems are dependable. **There are many terms associated with dependability, and considerable international effort has been expended to standardize these [83] The accepted definition of the overall concept is [82]: Dependability is that property of a computing system which allows reliance to be justifiably placed on the service it delivers.** The life of a system is perceived by its users as an alternation between proper and improper service. **Delivery** of proper service (service which adheres to specified

....Delivery of proper service (service which adheres to specified requirements) is normally termed correctness. **Therefore** a correct system is not necessarily a dependable system. **Dependability** is an overall property which has other measures such as safety, **reliability** and availability. **Laprie [82] defines these terms as follows: Safety is a measure of the continuous delivery of service free from occurrences of catastrophic failures. Reliability** is a measure of the continuous delivery of proper service (where service is delivered according to specified conditions) or equivalently of the

[Article contains additional citation context not shown here]

LAPRIE, J.C.: '*Dependability: a unifying concept for reliable computing and fault tolerance*' in ANDERSON, T. (Ed.): '*Dependability of Resilient Computers*', chapter 1 (Blackwell Scientific Publications, Oxford, 1989) pp. 1--28

On The Separation Of Concerns In Distributed Programming.. - Van Roy (1999) (Correct)

No context found.

Jean-Claude Laprie. *Dependability: A unifying concept for reliable computing and fault tolerance*. In 7th International Conference on Distributed Computing Systems, pages 129--146, September 1987.

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Suggested query: [assess or relaibility or communication or probability](#)

Suggested query: [assess and relaibility and communication and probability](#)

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m jordan or michael jordan or m i jordan or michael i jordan

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JPO Abstracts Database
Derwent World Patents Index
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☐ 1. Document ID: US 20040015906 A1

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L3: Entry 1 of 26

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040015906

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040015906 A1

TITLE: Adaptive dynamic personal modeling system and method

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Goraya, Tanvir Y.	Bratenahl	OH	US	

US-CL-CURRENT: 717/141; 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 2. Document ID: US 20030182252 A1

L3: Entry 2 of 26

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030182252

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182252 A1

TITLE: Correlation of end-of-line data mining with process tool data mining

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beinglass, Israel	Sunnyvale	CA	US	
Feili, Amir	Santa Clara	CA	US	
Dor, Amos	Sunnyvale	CA	US	

US-CL-CURRENT: 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 3. Document ID: US 20030130973 A1

L3: Entry 3 of 26

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130973
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030130973 A1

TITLE: Computer architecture and process of patient generation, evolution, and simulation for computer based testing system using bayesian networks as a scripting language

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sumner,, Walton II	St. Louis	MO	US	
Hagen, Michael D.	Lexington	KY	US	

US-CL-CURRENT: 706/45; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 4. Document ID: US 20030014379 A1

L3: Entry 4 of 26

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030014379
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030014379 A1

TITLE: ADAPTIVE AND RELIABLE SYSTEM AND METHOD FOR OPERATIONS MANAGEMENT

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SAIAS, ISAAC	LOS ALAMOS	NM	US	
DARLEY, VINCE	SANTA FE	NM	US	
KAUFFMAN, STUART A.	SANTA FE	NM	US	
FEDERSPIEL, FRED	SANTA FE	NM	US	
COHN, JUDITH	SANTA FE	NM	US	
LEVITAN, BENNETT	PLACITAS	NM	US	
MACDONALD, ROBERT	SANTA FE	NM	US	
MACREADY, WILLIAM	SANTA FE	NM	US	
TOLLANDER, CARL	SANTA FE	NM	US	

US-CL-CURRENT: 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20020161731 A1

L3: Entry 5 of 26

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161731

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020161731 A1

TITLE: Artificial intelligence trending system

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tayebnejad, Mohammad Reza	Colorado Springs	CO	US	
Van Camp, Karl Aric	Colorado Springs	CO	US	
Dallas, Charles Alan	Colorado Springs	CO	US	
Van Arkel, John Hans	Colorado Springs	CO	US	

US-CL-CURRENT: 706/20; 706/45, 707/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20020103776 A1

L3: Entry 6 of 26

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103776

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103776 A1

TITLE: Scaleable object recognition with a belief model

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bella, Ivan	Gaithersburg	MD	US	
Hood, Christopher	Frederick	MD	US	

US-CL-CURRENT: 706/49; 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 6694301 B1

L3: Entry 7 of 26

File: USPT

Feb 17, 2004

US-PAT-NO: 6694301

DOCUMENT-IDENTIFIER: US 6694301 B1

TITLE: Goal-oriented clustering

DATE-ISSUED: February 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckerman; David E.	Bellevue	WA		
Chickering; D. Maxwell	Bellevue	WA		
Platt; John C.	Bellevue	WA		
Meek; Christopher A.	Kirkland	WA		
Thiesson; Bo	Woodinville	WA		

US-CL-CURRENT: 706/45; 706/20, 706/25, 706/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw. De
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☐ 8. Document ID: US 6687685 B1

L3: Entry 8 of 26

File: USPT

Feb 3, 2004

US-PAT-NO: 6687685

DOCUMENT-IDENTIFIER: US 6687685 B1

TITLE: Automated medical decision making utilizing bayesian network knowledge domain modeling

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sadeghi; Sarmad	Houston	TX		
Barzi; Afsaneh	Houston	TX		
Zarrin-Khameh; Neda	Houston	TX		

US-CL-CURRENT: 706/15; 600/300, 706/45, 706/924

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw. De
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☐ 9. Document ID: US 6675164 B2

L3: Entry 9 of 26

File: USPT

Jan 6, 2004

US-PAT-NO: 6675164

DOCUMENT-IDENTIFIER: US 6675164 B2

TITLE: Parallel object-oriented data mining system

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kamath; Chandrika	Dublin	CA		
Cantu-Paz; Erick	Oakland	CA		

US-CL-CURRENT: 707/6; 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 10. Document ID: US 6665652 B1

L3: Entry 10 of 26

File: USPT

Dec 16, 2003

US-PAT-NO: 6665652

DOCUMENT-IDENTIFIER: US 6665652 B1

TITLE: Method of diagnosis of lyme disease

DATE-ISSUED: December 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Porwancher; Richard B.	Princeton	NJ	08540	

US-CL-CURRENT: 706/45; 435/7.1, 436/506, 436/513, 436/811, 702/19, 706/52, 706/61, 706/900

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 11. Document ID: US 6658395 B1

L3: Entry 11 of 26

File: USPT

Dec 2, 2003

US-PAT-NO: 6658395

DOCUMENT-IDENTIFIER: US 6658395 B1

TITLE: Enhancing knowledge discovery from multiple data sets using multiple support vector machines

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/12, 706/20, 706/25, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 12. Document ID: US 6606615 B1

L3: Entry 12 of 26

File: USPT

Aug 12, 2003

US-PAT-NO: 6606615

DOCUMENT-IDENTIFIER: US 6606615 B1

TITLE: Forecasting contest

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jennings; William P.	Simi Valley	CA		
Findlay, III; M. Chapman	Los Angeles	CA		
Phillips; G. Michael	Pasadena	CA		
Klein; Stephen A.	Pasadena	CA		
Rice; Mark E.	Pasadena	CA		

US-CL-CURRENT: 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 13. Document ID: US 6601055 B1

L3: Entry 13 of 26

File: USPT

Jul 29, 2003

US-PAT-NO: 6601055

DOCUMENT-IDENTIFIER: US 6601055 B1

TITLE: Explanation generation system for a diagnosis support tool employing an inference system

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roberts; Linda M.	Milwaukee	WI	53222	

US-CL-CURRENT: 706/45; 600/300, 704/257

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 14. Document ID: US 6584455 B1

L3: Entry 14 of 26

File: USPT

Jun 24, 2003

US-PAT-NO: 6584455

DOCUMENT-IDENTIFIER: US 6584455 B1

TITLE: System and method for predicting design errors in integrated circuits

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hekmatpour; Amir	Austin	TX		

US-CL-CURRENT: 706/45; 706/46, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 15. Document ID: US 6581050 B1

L3: Entry 15 of 26

File: USPT

Jun 17, 2003

US-PAT-NO: 6581050

DOCUMENT-IDENTIFIER: US 6581050 B1

TITLE: Learning by observing a user's activity for enhancing the provision of automated services

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: 706/45; 434/350, 706/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 16. Document ID: US 6553358 B1

L3: Entry 16 of 26

File: USPT

Apr 22, 2003

US-PAT-NO: 6553358

DOCUMENT-IDENTIFIER: US 6553358 B1

TITLE: Decision-theoretic approach to harnessing text classification for guiding automated action

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Horvitz; Eric Kirkland WA

US-CL-CURRENT: 706/45; 705/39, 707/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 17. Document ID: US 6529895 B2

L3: Entry 17 of 26

File: USPT

Mar 4, 2003

US-PAT-NO: 6529895

DOCUMENT-IDENTIFIER: US 6529895 B2

TITLE: Determining a distribution of a numeric variable

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckerman; David E.	Bellevue	WA		

US-CL-CURRENT: 707/2; 706/15, 706/45, 707/100, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 18. Document ID: US 6468210 B2

L3: Entry 18 of 26

File: USPT

Oct 22, 2002

US-PAT-NO: 6468210

DOCUMENT-IDENTIFIER: US 6468210 B2

TITLE: Automated diagnostic system and method including synergies

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iliff; Edwin C.	La Jolla	CA		

US-CL-CURRENT: 600/300; 128/904, 128/920, 128/925, 600/301, 705/3, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 19. Document ID: US 6446027 B1

L3: Entry 19 of 26

File: USPT

Sep 3, 2002

US-PAT-NO: 6446027

DOCUMENT-IDENTIFIER: US 6446027 B1

TITLE: Intelligent analysis system and method for fluid-filled electrical equipment

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Keeffe; Thomas Gary	Farmington	CT		
Coulter; Gregory Dennis	Unionville	CT		
Azzaro; Steven Hector	Schenectady	NY		
Jammu; Vinay Bhaskar	Niskayuna	NY		
Stokes; Edward Brittain	Niskayuna	NY		
Crouse; John Charles	Rome	GA		
Delgado Cruz; Alfonso M.	Guadalupe			MX
Betancourt; Enrique	Monterrey			MX

US-CL-CURRENT: [702/183](#); [702/181](#), [702/182](#), [702/184](#), [706/45](#), [706/50](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 20. Document ID: US 6427141 B1

L3: Entry 20 of 26

File: USPT

Jul 30, 2002

US-PAT-NO: 6427141

DOCUMENT-IDENTIFIER: US 6427141 B1

TITLE: Enhancing knowledge discovery using multiple support vector machines

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: [706/16](#); [706/12](#), [706/20](#), [706/25](#), [706/45](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 21. Document ID: US 6345265 B1

L3: Entry 21 of 26

File: USPT

Feb 5, 2002

US-PAT-NO: 6345265

DOCUMENT-IDENTIFIER: US 6345265 B1

TITLE: Clustering with mixtures of bayesian networks

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thiesson; Bo	Kirkland	WA	98033	
Meek; Christopher A.	Kirkland	WA	98033	
Chickering; David Maxwell	Redmond	WA	98052	
Heckerman; David Earl	Bellevue	WA	98008	

US-CL-CURRENT: 706/52; 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 22. Document ID: US 6321225 B1

L3: Entry 22 of 26

File: USPT

Nov 20, 2001

US-PAT-NO: 6321225

DOCUMENT-IDENTIFIER: US 6321225 B1

TITLE: Abstracting cooked variables from raw variables

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckerman; David E.	Bellevue	WA		
Chickering; D. Maxwell	Redmond	WA		
Meek; Christopher A.	Kirkland	WA		
Rounthwaite; Robert L.	Fall City	WA		

US-CL-CURRENT: 707/6; 705/54, 705/8, 706/45, 706/52, 707/101, 707/104.1, 707/201, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 23. Document ID: US 6295525 B1

L3: Entry 23 of 26

File: USPT

Sep 25, 2001

US-PAT-NO: 6295525

DOCUMENT-IDENTIFIER: US 6295525 B1

TITLE: Automatic invocation of computational resources without user intervention across a network

DATE-ISSUED: September 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hart; Peter	Menlo Park	CA		
Graham; Jamey	Los Altos	CA		

US-CL-CURRENT: [706/46](#); [706/45](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 24. Document ID: US 6157921 A

L3: Entry 24 of 26

File: USPT

Dec 5, 2000

US-PAT-NO: 6157921

DOCUMENT-IDENTIFIER: US 6157921 A

TITLE: Enhancing knowledge discovery using support vector machines in a distributed network environment

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: [706/16](#); [706/19](#), [706/20](#), [706/45](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 25. Document ID: US 6076083 A

L3: Entry 25 of 26

File: USPT

Jun 13, 2000

US-PAT-NO: 6076083

DOCUMENT-IDENTIFIER: US 6076083 A

TITLE: Diagnostic system utilizing a Bayesian network model having link weights updated experimentally

DATE-ISSUED: June 13, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baker; Michelle	New York	NY	10025	

US-CL-CURRENT: [706/52](#); [706/45](#), [706/46](#), [706/61](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 26. Document ID: US 5778150 A

L3: Entry 26 of 26

File: USPT

Jul 7, 1998

US-PAT-NO: 5778150

DOCUMENT-IDENTIFIER: US 5778150 A

TITLE: Flexible procedural attachment to situate reasoning systems

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chan; Hoi Yeung	Stamford	CT		
Grosof; Benjamin Nathan	New York	NY		
Levine; David William	New York	NY		

US-CL-CURRENT: 706/46; 706/45, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Experiments	Attachments	Claims	KMC	Draw. D.
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L2 and communication	26

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Database:

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 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Tuesday, February 17, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L6</u>	L5 and uncertainty	28	<u>L6</u>
<u>L5</u>	L4 and communications	82	<u>L5</u>
<u>L4</u>	decision adj theory	268	<u>L4</u>
<u>L3</u>	L2 and communication	26	<u>L3</u>
<u>L2</u>	L1 and bayesian	55	<u>L2</u>
<u>L1</u>	706/45.ccls.	637	<u>L1</u>

END OF SEARCH HISTORY

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[Generate OACS](#)

Search Results - Record(s) 1 through 28 of 28 returned.

☐ 1. Document ID: US 20040002776 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 28

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002776

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002776 A1

TITLE: Surveillance system and method having an operating mode partitioned fault classification model

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bickford, Randall L.	Orangevale	CA	US	

US-CL-CURRENT: [700/30](#); [700/29](#), [700/49](#), [700/52](#), [700/79](#), [700/80](#), [706/20](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 20030220906 A1

L6: Entry 2 of 28

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220906

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030220906 A1

TITLE: System and method of employing efficient operators for bayesian network search

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chickering, David Maxwell	Bellevue	WA	US	

US-CL-CURRENT: [707/2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20030167265 A1

L6: Entry 3 of 28

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030167265
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030167265 A1

TITLE: Computer method and user interface for decision analysis and for global
system optimization

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Corynen, Guy Charles	San Ramon	CA	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20030156762 A1

L6: Entry 4 of 28

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030156762
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030156762 A1

TITLE: Volterra filters for enhancement of contours in images

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
August, Jonas	Pittsburgh	PA	US	

US-CL-CURRENT: 382/260; 382/266

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20030147466 A1

L6: Entry 5 of 28

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030147466
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030147466 A1

TITLE: Method, system, device and computer program product for MPEG variable bit rate (VBR) video traffic classification using a nearest neighbor classifier

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liang, Qilian	San Diego	CA	US	

US-CL-CURRENT: 375/240.12; 375/240.13, 375/240.15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 6. Document ID: US 20030118246 A1

L6: Entry 6 of 28

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030118246

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030118246 A1

TITLE: Biased curve indicator random field filters for enhancement of contours in images

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
August, Jonas	Pittsburg	PA	US	

US-CL-CURRENT: 382/260; 382/266

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 7. Document ID: US 6657643 B1

L6: Entry 7 of 28

File: USPT

Dec 2, 2003

US-PAT-NO: 6657643

DOCUMENT-IDENTIFIER: US 6657643 B1

TITLE: Modulating the behavior of an animated character to reflect beliefs inferred about a user's desire for automated services

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: [345/764](#); [345/709](#), [345/745](#), [345/751](#), [345/781](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 8. Document ID: US 6581050 B1

L6: Entry 8 of 28

File: USPT

Jun 17, 2003

US-PAT-NO: 6581050

DOCUMENT-IDENTIFIER: US 6581050 B1

TITLE: Learning by observing a user's activity for enhancing the provision of automated services

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: [706/45](#); [434/350](#), [706/12](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 9. Document ID: US 6553358 B1

L6: Entry 9 of 28

File: USPT

Apr 22, 2003

US-PAT-NO: 6553358

DOCUMENT-IDENTIFIER: US 6553358 B1

TITLE: Decision-theoretic approach to harnessing text classification for guiding automated action

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: [706/45](#); [705/39](#), [707/10](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 10. Document ID: US 6526025 B1

L6: Entry 10 of 28

File: USPT

Feb 25, 2003

US-PAT-NO: 6526025

DOCUMENT-IDENTIFIER: US 6526025 B1

TITLE: Method for measuring network performance parity

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pack; Charles David	Oceanport	NJ		

US-CL-CURRENT: 370/252; 370/386, 379/15.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 11. Document ID: US 6505167 B1

L6: Entry 11 of 28

File: USPT

Jan 7, 2003

US-PAT-NO: 6505167

DOCUMENT-IDENTIFIER: US 6505167 B1

TITLE: Systems and methods for directing automated services for messaging and scheduling

DATE-ISSUED: January 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: 705/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 12. Document ID: US 6490698 B1

L6: Entry 12 of 28

File: USPT

Dec 3, 2002

US-PAT-NO: 6490698

DOCUMENT-IDENTIFIER: US 6490698 B1

TITLE: Multi-level decision-analytic approach to failure and repair in human-computer interactions

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

Paek; Timothy Redmond WA

US-CL-CURRENT: 714/46; 704/251, 704/257

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 13. Document ID: US 6421655 B1

L6: Entry 13 of 28

File: USPT

Jul 16, 2002

US-PAT-NO: 6421655

DOCUMENT-IDENTIFIER: US 6421655 B1

TITLE: Computer-based representations and reasoning methods for engaging users in goal-oriented conversations

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Paek; Timothy S.	Redmond	WA		

US-CL-CURRENT: 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 14. Document ID: US 6415304 B1

L6: Entry 14 of 28

File: USPT

Jul 2, 2002

US-PAT-NO: 6415304

DOCUMENT-IDENTIFIER: US 6415304 B1

TITLE: Waiting prior to engaging in action for enhancement of automated service

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 715/500.1; 345/752

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 15. Document ID: US 6297825 B1

L6: Entry 15 of 28

File: USPT

Oct 2, 2001

US-PAT-NO: 6297825
DOCUMENT-IDENTIFIER: US 6297825 B1

TITLE: Temporal smoothing of scene analysis data for image sequence generation

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Madden; Paul B.	Acton	MA		
Cobb; Wesley K.	Attleboro	MA		
Schott; Jean-Pierre	Weston	MA		
Askey; David	Carlisle	MA		
Eyring; Kenneth J.	Centerport	NY		

US-CL-CURRENT: 345/419; 345/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 16. Document ID: US 6249285 B1

L6: Entry 16 of 28

File: USPT

Jun 19, 2001

US-PAT-NO: 6249285
DOCUMENT-IDENTIFIER: US 6249285 B1

TITLE: Computer assisted mark-up and parameterization for scene analysis

DATE-ISSUED: June 19, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Madden; Paul B.	Acton	MA		
Schott; Jean-Pierre	Weston	MA		
Askey; David	Carlisle	MA		
Henry; Joseph	Westford	MA		
Kurtze; Jeffrey D.	Hudson	NH		
Cacciatore; Mary	Westford	MA		
Robotham; John S.	Belmont	MA		
Rawley; Curt A.	Windham	NH		

US-CL-CURRENT: 345/419

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 17. Document ID: US 6085226 A

L6: Entry 17 of 28

File: USPT

Jul 4, 2000

US-PAT-NO: 6085226
DOCUMENT-IDENTIFIER: US 6085226 A

TITLE: Method and apparatus for utility-directed prefetching of web pages into local cache using continual computation and user models

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 709/203

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 6067565 A

L6: Entry 18 of 28

File: USPT

May 23, 2000

US-PAT-NO: 6067565
DOCUMENT-IDENTIFIER: US 6067565 A

**** See image for Certificate of Correction ****

TITLE: Technique for prefetching a web page of potential future interest in lieu of continuing a current information download

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 709/218; 709/223, 709/234

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 19. Document ID: US 6009452 A

L6: Entry 19 of 28

File: USPT

Dec 28, 1999

US-PAT-NO: 6009452
DOCUMENT-IDENTIFIER: US 6009452 A

TITLE: Apparatus and methods for optimally using available computer resources for task execution during idle-time based on probabilistic assessment of future task instances

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 718/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWC	Draw. De
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☐ 20. Document ID: US 5995997 A

L6: Entry 20 of 28

File: USPT

Nov 30, 1999

US-PAT-NO: 5995997

DOCUMENT-IDENTIFIER: US 5995997 A

TITLE: Apparatus and methods for optimally allocating currently available computer resources to future task instances versus continued execution of current task instances

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 718/102; 718/103

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWC	Draw. De
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☐ 21. Document ID: US 5883986 A

L6: Entry 21 of 28

File: USPT

Mar 16, 1999

US-PAT-NO: 5883986

DOCUMENT-IDENTIFIER: US 5883986 A

TITLE: Method and system for automatic transcription correction

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kopec; Gary E.	Belmont	CA		
Chou; Philip A.	Menlo Park	CA		
Niles; Leslie T.	Palo Alto	CA		

US-CL-CURRENT: 382/310; 382/155, 382/159, 382/161, 382/215, 382/226, 382/230

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWC	Draw. De
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☐ 22. Document ID: US 5819248 A

L6: Entry 22 of 28

File: USPT

Oct 6, 1998

US-PAT-NO: 5819248

DOCUMENT-IDENTIFIER: US 5819248 A

TITLE: Persuasion organizer and calculator

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kegan; Daniel L.	Evanston	IL	60201-2713	

US-CL-CURRENT: 706/45; 706/59, 706/933

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWC	Draw De
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☐ 23. Document ID: US 5784616 A

L6: Entry 23 of 28

File: USPT

Jul 21, 1998

US-PAT-NO: 5784616

DOCUMENT-IDENTIFIER: US 5784616 A

TITLE: Apparatus and methods for optimally using available computer resources for task execution during idle-time for future task instances exhibiting incremental value with computation

DATE-ISSUED: July 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 718/102; 718/100, 718/103

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWC	Draw De
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☐ 24. Document ID: US 5778150 A

L6: Entry 24 of 28

File: USPT

Jul 7, 1998

US-PAT-NO: 5778150

DOCUMENT-IDENTIFIER: US 5778150 A

TITLE: Flexible procedural attachment to situate reasoning systems

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chan; Hoi Yeung	Stamford	CT		
Grosof; Benjamin Nathan	New York	NY		
Levine; David William	New York	NY		

US-CL-CURRENT: 706/46; 706/45, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 25. Document ID: US 5689620 A

L6: Entry 25 of 28

File: USPT

Nov 18, 1997

US-PAT-NO: 5689620

DOCUMENT-IDENTIFIER: US 5689620 A

TITLE: Automatic training of character templates using a transcription and a two-dimensional image source model

DATE-ISSUED: November 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kopec; Gary E.	Belmont	CA		
Chou; Philip Andrew	Menlo Park	CA		
Niles; Leslie T.	Palo Alto	CA		

US-CL-CURRENT: 706/12; 382/157, 382/187

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 26. Document ID: US 5594809 A

L6: Entry 26 of 28

File: USPT

Jan 14, 1997

US-PAT-NO: 5594809

DOCUMENT-IDENTIFIER: US 5594809 A

TITLE: Automatic training of character templates using a text line image, a text line transcription and a line image source model

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kopec; Gary E.	Belmont	CA		
Chou; Philip A.	Menlo Park	CA		
Niles; Leslie T.	Palo Alto	CA		

US-CL-CURRENT: 382/161; 382/228

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 27. Document ID: US 5465321 A

L6: Entry 27 of 28

File: USPT

Nov 7, 1995

US-PAT-NO: 5465321

DOCUMENT-IDENTIFIER: US 5465321 A

TITLE: Hidden markov models for fault detection in dynamic systems

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smyth; Padhraic J.	Altadena	CA		

US-CL-CURRENT: 706/20; 376/216, 706/911, 706/914

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 28. Document ID: US 3484746 A

L6: Entry 28 of 28

File: USOC

Dec 16, 1969

US-PAT-NO: 3484746

DOCUMENT-IDENTIFIER: US 3484746 A

TITLE: ADAPTIVE PATTERN RECOGNITION SYSTEM

DATE-ISSUED: December 16, 1969

INVENTOR-NAME: FRALICK STANLEY C; KNOX-SEITH JOHN K ; WILSON DENNIS L

US-CL-CURRENT: 382/159, 324/76.19, 324/76.35

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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 JPO Abstracts Database
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<u>L8</u>	L7 and communications and uncertainty	344	<u>L8</u>
<u>L7</u>	decision adj making	13126	<u>L7</u>
<u>L6</u>	L5 and uncertainty	28	<u>L6</u>
<u>L5</u>	L4 and communications	82	<u>L5</u>
<u>L4</u>	decision adj theory	268	<u>L4</u>
<u>L3</u>	L2 and communication	26	<u>L3</u>
<u>L2</u>	L1 and bayesian	55	<u>L2</u>
<u>L1</u>	706/45.ccls.	637	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 27 of 27 returned.

☐ 1. Document ID: US 20040003042 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 27

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040003042

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040003042 A1

TITLE: Methods and architecture for cross-device activity monitoring, reasoning, and visualization for providing status and forecasts of a users' presence and availability

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Koch, Paul	Toronto	WA	CA	
Apacible, Johnson T.	Redmond	WA	US	
Kadie, Carl M.	Bellevue		US	

US-CL-CURRENT: 709/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 2. Document ID: US 20040002988 A1

L10: Entry 2 of 27

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002988

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002988 A1

TITLE: System and method for modeling subscriptions and subscribers as data

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Seshadri, Praveen	Bellevue	WA	US	

Garrett, Phil	Woodinville	WA	US
Sundaresan, Prakash	Seattle	WA	US
Blanch, Robert F.	Clyde Hill	WA	US
Knight, Holly	Woodinville	WA	US
Dievendorff, Richard	Bellevue	WA	US

US-CL-CURRENT: 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 3. Document ID: US 20040002972 A1

L10: Entry 3 of 27

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002972

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002972 A1

TITLE: Programming model for subscription services

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pather, Shyamalan	Seattle	WA	US	
Seshadri, Praveen	Bellevue	WA	US	
Garrett, Phil	Woodinville	WA	US	
Blanch, Robert F.	Clyde Hill	WA	US	
Knight, Holly	Woodinville	WA	US	
Dievendorff, Richard	Bellevue	WA	US	
Curley, Vincent H.	Bellevue	WA	US	

US-CL-CURRENT: 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 4. Document ID: US 20040002958 A1

L10: Entry 4 of 27

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002958

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002958 A1

TITLE: System and method for providing notification(s)

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Seshadri, Praveen	Bellevue	WA	US	
Garrett, Phil	Woodinville	WA	US	
Blanch, Robert F.	Clyde Hill	WA	US	
Pather, Shyamalan	Seattle	WA	US	
Knight, Holly	Woodinville	WA	US	
Dievendorff, Richard	Bellevue	WA	US	
Curley, Vincent H.	Bellevue	WA	US	

US-CL-CURRENT: 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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☐ 5. Document ID: US 20040002776 A1

L10: Entry 5 of 27

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002776
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040002776 A1

TITLE: Surveillance system and method having an operating mode partitioned fault classification model

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bickford, Randall L.	Orangevale	CA	US	

US-CL-CURRENT: 700/30; 700/29, 700/49, 700/52, 700/79, 700/80, 706/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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☐ 6. Document ID: US 20030209893 A1

L10: Entry 6 of 27

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030209893
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030209893 A1

TITLE: Occupant sensing system

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	

Johnson, Wendell C. Signal Hill CA US

US-CL-CURRENT: 280/735; 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn De
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☐ 7. Document ID: US 20030191726 A1

L10: Entry 7 of 27

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191726

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191726 A1

TITLE: Machine decisions based on preferential voting techniques

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kirshenbaum, Evan R.	Mountain View	CA	US	

US-CL-CURRENT: 706/12; 706/16, 706/46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn De
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☐ 8. Document ID: US 20030176931 A1

L10: Entry 8 of 27

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030176931 A1

TITLE: Method for constructing segmentation-based predictive models

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pednault, Edwin Peter Dawson	Cortlandt Manor	NY	US	
Natarajan, Ramesh	Pleasantville	NY	US	

US-CL-CURRENT: 700/31; 700/30, 700/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn De
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☐ 9. Document ID: US 20030167265 A1

L10: Entry 9 of 27

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030167265
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030167265 A1

TITLE: Computer method and user interface for decision analysis and for global system optimization

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Corynen, Guy Charles	San Ramon	CA	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 10. Document ID: US 20030130973 A1

L10: Entry 10 of 27

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130973
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030130973 A1

TITLE: Computer architecture and process of patient generation, evolution, and simulation for computer based testing system using bayesian networks as a scripting language

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sumner,, Walton II	St. Louis	MO	US	
Hagen, Michael D.	Lexington	KY	US	

US-CL-CURRENT: 706/45; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 11. Document ID: US 20030105638 A1

L10: Entry 11 of 27

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030105638
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030105638 A1

TITLE: Method and system for creating computer-understandable structured medical

data from natural language reports

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Taira, Rick K.	Newcastle	WA	US	

US-CL-CURRENT: 704/275

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 12. Document ID: US 20030065535 A1

L10: Entry 12 of 27

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065535

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030065535 A1

TITLE: Diagnosing inapparent diseases from common clinical tests using bayesian analysis

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karlov, Valeri I.	Boston	MA	US	
Kasten, Bernard	Cincinnati	OH	US	
Padilla, Carlos E.	Lexington	MA	US	
Maggio, Edward T.	San Diego	CA	US	
Billingsley, Frank	Alexandria	VA	US	

US-CL-CURRENT: 705/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 13. Document ID: US 20030061004 A1

L10: Entry 13 of 27

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061004

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030061004 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Discenzo, Frederick M.	Brecksville	OH	US	

US-CL-CURRENT: 702/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 14. Document ID: US 20020151992 A1

L10: Entry 14 of 27

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151992

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020151992 A1

TITLE: Media recording device with packet data interface

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoffberg, Steven M.	West Harrison	NY	US	
Hoffberg-Borghesani, Linda I.	Acton	MA	US	

US-CL-CURRENT: 700/83; 700/17, 700/18, 700/86, 700/87

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 15. Document ID: US 20020087649 A1

L10: Entry 15 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020087649

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020087649 A1

TITLE: Bounded-deferral policies for reducing the disruptiveness of notifications

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: 709/207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 16. Document ID: US 20020069079 A1

L10: Entry 16 of 27

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069079

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069079 A1

TITLE: Method and system for facilitating service transactions

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vega, Lilly Mae	Fort Madison	IA	US	

US-CL-CURRENT: 705/1; 705/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 17. Document ID: US 6640145 B2

L10: Entry 17 of 27

File: USPT

Oct 28, 2003

US-PAT-NO: 6640145

DOCUMENT-IDENTIFIER: US 6640145 B2

TITLE: Media recording device with packet data interface

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven	West Harrison	NY	10604	
Hoffberg-Borghesani; Linda	Acton	MA	01720	

US-CL-CURRENT: 700/83; 700/17, 700/19, 700/23, 704/200, 704/201, 704/7, 709/200, 709/201, 709/202

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 18. Document ID: US 6418424 B1

L10: Entry 18 of 27

File: USPT

Jul 9, 2002

US-PAT-NO: 6418424

DOCUMENT-IDENTIFIER: US 6418424 B1

TITLE: Ergonomic man-machine interface incorporating adaptive pattern recognition based control system

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	West Harrison	NY	10604	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 706/21; 434/178, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw D
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☐ 19. Document ID: US 6400996 B1

L10: Entry 19 of 27

File: USPT

Jun 4, 2002

US-PAT-NO: 6400996

DOCUMENT-IDENTIFIER: US 6400996 B1

TITLE: Adaptive pattern recognition based control system and method

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	West Harrison	NY	10994	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 700/83; 345/810, 345/840, 345/841, 370/218, 370/355, 700/17, 700/24, 700/25, 700/86, 700/87, 709/223, 709/227, 718/102, 719/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw D
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☐ 20. Document ID: US 6246975 B1

L10: Entry 20 of 27

File: USPT

Jun 12, 2001

US-PAT-NO: 6246975

DOCUMENT-IDENTIFIER: US 6246975 B1

**** See image for Certificate of Correction ****

TITLE: Computer architecture and process of patient generation, evolution, and simulation for computer based testing system

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rivonelli; Richard J.	Lexington	KY		
Sumner, II; Walton	Webster Groves	MO		
Marek; Victor W.	Lexington	KY		

Truszczynski; Mirosław

Lexington

KY

US-CL-CURRENT: 703/11; 128/920, 434/262

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 21. Document ID: US 6081750 A

L10: Entry 21 of 27

File: USPT

Jun 27, 2000

US-PAT-NO: 6081750

DOCUMENT-IDENTIFIER: US 6081750 A

TITLE: Ergonomic man-machine interface incorporating adaptive pattern recognition based control system

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven Mark	Yonkers	NY	10701-1705	
Hoffberg-Borghesani; Linda Irene	Acton	MA	01720	

US-CL-CURRENT: 700/17; 345/520, 700/11, 700/56, 700/83, 700/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 22. Document ID: US 5920477 A

L10: Entry 22 of 27

File: USPT

Jul 6, 1999

US-PAT-NO: 5920477

DOCUMENT-IDENTIFIER: US 5920477 A

TITLE: Human factored interface incorporating adaptive pattern recognition based controller apparatus

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	Yonkers	NY	10701-1705	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 382/181; 382/190, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 23. Document ID: US 5901246 A

L10: Entry 23 of 27

File: USPT

May 4, 1999

US-PAT-NO: 5901246

DOCUMENT-IDENTIFIER: US 5901246 A

TITLE: Ergonomic man-machine interface incorporating adaptive pattern recognition based control system

DATE-ISSUED: May 4, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	Yonkers	NY	10701-1705	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 382/209

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 24. Document ID: US 5875108 A

L10: Entry 24 of 27

File: USPT

Feb 23, 1999

US-PAT-NO: 5875108

DOCUMENT-IDENTIFIER: US 5875108 A

TITLE: Ergonomic man-machine interface incorporating adaptive pattern recognition based control system

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	Yonkers	NY	10701-1705	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 700/17; 382/181, 382/190, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 25. Document ID: US 5774357 A

L10: Entry 25 of 27

File: USPT

Jun 30, 1998

US-PAT-NO: 5774357

DOCUMENT-IDENTIFIER: US 5774357 A

TITLE: Human factored interface incorporating adaptive pattern recognition based controller apparatus

DATE-ISSUED: June 30, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	West Harrison	NY	10604	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 713/600; 348/110, 348/27, 348/734, 712/240, 712/245

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Drawings
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☐ 26. Document ID: US 5465321 A

L10: Entry 26 of 27

File: USPT

Nov 7, 1995

US-PAT-NO: 5465321

DOCUMENT-IDENTIFIER: US 5465321 A

TITLE: Hidden markov models for fault detection in dynamic systems

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smyth; Padhraic J.	Altadena	CA		

US-CL-CURRENT: 706/20; 376/216, 706/911, 706/914

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Drawings
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☐ 27. Document ID: US 5020411 A

L10: Entry 27 of 27

File: USPT

Jun 4, 1991

US-PAT-NO: 5020411

DOCUMENT-IDENTIFIER: US 5020411 A

TITLE: Mobile assault logistic kinetmatic engagement device

DATE-ISSUED: June 4, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rowan; Larry	Culver	CA	90230	

US-CL-CURRENT: 89/1.11; 376/319, 60/203.1, 89/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Drawings
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 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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L14

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Clear

Interrupt

Search History

DATE: Tuesday, February 17, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L14</u>	L13 and (helper or genie or wizard)	8	<u>L14</u>
<u>L13</u>	L12 and domain and (engage or disengage or enable or disable) and response	52	<u>L13</u>
<u>L12</u>	assessing and reliability and communication and computer adj networks	102	<u>L12</u>
<u>L11</u>	assessing and reliability and communication and computer adj networks	0	<u>L11</u>
<u>L10</u>	L9 and (assess or estimate) and (reliability or dependable)	27	<u>L10</u>
<u>L9</u>	L8 and bayesian	65	<u>L9</u>
<u>L8</u>	L7 and communications and uncertainty	344	<u>L8</u>
<u>L7</u>	decision adj making	13126	<u>L7</u>
<u>L6</u>	L5 and uncertainty	28	<u>L6</u>
<u>L5</u>	L4 and communications	82	<u>L5</u>
<u>L4</u>	decision adj theory	268	<u>L4</u>
<u>L3</u>	L2 and communication	26	<u>L3</u>

L2 L1 and bayesian

55 L2

L1 706/45.ccls.

637 L1

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Search Results - Record(s) 1 through 8 of 8 returned.☐ 1. Document ID: US 20030228618 A1**Using default format because multiple data bases are involved.**

L14: Entry 1 of 8

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030228618

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030228618 A1

TITLE: Methods and systems for identifying naturally occurring antisense transcripts and methods, kits and arrays utilizing same

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Levanon, Erez	Petach Tikva		IL	
Pollock, Sarah	Tel Aviv		IL	
Nemzer, Sergey	Ramat Gan		IL	
Shoshan, Avi	Kiryat Gat		IL	
Khosravi, Rami	Herzlia		IL	
Walach, Shira	Hod Hasharon		IL	
Levine, Zurit	Herzlia		IL	
Bernstein, Jeanne	Kfar Yona		IL	
Dahari, Dvir	Tel Aviv		IL	
Wasserman, Alon	Tel Aviv		IL	
Rotman, Galit	Herzlia		IL	

US-CL-CURRENT: 435/6; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 2. Document ID: US 20020087649 A1

L14: Entry 2 of 8

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020087649

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020087649 A1

TITLE: Bounded-deferral policies for reducing the disruptiveness of notifications

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: 709/207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 3. Document ID: US 6633878 B1

L14: Entry 3 of 8

File: USPT

Oct 14, 2003

US-PAT-NO: 6633878

DOCUMENT-IDENTIFIER: US 6633878 B1

TITLE: Initializing an ecommerce database framework

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/100; 707/1, 707/102, 707/205

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 4. Document ID: US 6609128 B1

L14: Entry 4 of 8

File: USPT

Aug 19, 2003

US-PAT-NO: 6609128

DOCUMENT-IDENTIFIER: US 6609128 B1

TITLE: Codes table framework design in an E-commerce architecture

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/10; 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 5. Document ID: US 6601233 B1

L14: Entry 5 of 8

File: USPT

Jul 29, 2003

US-PAT-NO: 6601233

DOCUMENT-IDENTIFIER: US 6601233 B1

TITLE: Business components framework

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 717/102; 717/100, 717/101, 717/103, 717/104, 717/106, 717/107

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw. De
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☐ 6. Document ID: US 6523027 B1

L14: Entry 6 of 8

File: USPT

Feb 18, 2003

US-PAT-NO: 6523027

DOCUMENT-IDENTIFIER: US 6523027 B1

TITLE: Interfacing servers in a Java based e-commerce architecture

DATE-ISSUED: February 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/4; 707/10, 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw. De
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☐ 7. Document ID: US 6400996 B1

L14: Entry 7 of 8

File: USPT

Jun 4, 2002

US-PAT-NO: 6400996

DOCUMENT-IDENTIFIER: US 6400996 B1

TITLE: Adaptive pattern recognition based control system and method

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Hoffberg; Steven M. West Harrison NY 10994
Hoffberg-Borghesani; Linda I. Acton MA 01720

US-CL-CURRENT: 700/83; 345/810, 345/840, 345/841, 370/218, 370/355, 700/17, 700/24,
700/25, 700/86, 700/87, 709/223, 709/227, 718/102, 719/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 5926463 A

L14: Entry 8 of 8

File: USPT

Jul 20, 1999

US-PAT-NO: 5926463

DOCUMENT-IDENTIFIER: US 5926463 A

TITLE: Method and apparatus for viewing and managing a configuration of a computer network

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ahearn; Michael J.	Gorham	ME		
Baryames; Konstantinos	Merrimack	NH		
Black; Darryl	Merrimack	NH		
Ciampa; Robert A.	Andover	MA		
Emken; James	Arlington	MA		
Nelson; William	Auburn	MA		
Sulc; Peter J.	Pepperall	MA		
Xiang; Jing	Westford	MA		

US-CL-CURRENT: 370/254; 370/410, 370/451

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L13 and (helper or genie or wizard)

8

Display Format:

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Refine Search

Search Results -

Terms	Documents
L16 and speech and user\$2	29

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L17

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, February 17, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L17</u>	L16 and speech and user\$2	29	<u>L17</u>
<u>L16</u>	L15 and communication	66	<u>L16</u>
<u>L15</u>	infer\$5 near probability	116	<u>L15</u>
<u>L14</u>	L13 and (helper or genie or wizard)	8	<u>L14</u>
<u>L13</u>	L12 and domain and (engage or disengage or enable or disenable) and response	52	<u>L13</u>
<u>L12</u>	assessing and reliability and communication and computer adj networks	102	<u>L12</u>
<u>L11</u>	assessing and reliability and communication and computer adj networks	0	<u>L11</u>
<u>L10</u>	L9 and (assess or estimate) and (reliability or dependable)	27	<u>L10</u>
<u>L9</u>	L8 and bayesian	65	<u>L9</u>
<u>L8</u>	L7 and communications and uncertainty	344	<u>L8</u>
<u>L7</u>	decision adj making	13126	<u>L7</u>
<u>L6</u>	L5 and uncertainty	28	<u>L6</u>

<u>L5</u>	L4 and communications	82	<u>L5</u>
<u>L4</u>	decision adj theory	268	<u>L4</u>
<u>L3</u>	L2 and communication	26	<u>L3</u>
<u>L2</u>	L1 and bayesian	55	<u>L2</u>
<u>L1</u>	706/45.ccls.	637	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 29 of 29 returned.

☐ 1. Document ID: US 20040030753 A1

Using default format because multiple data bases are involved.

L17: Entry 1 of 29

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040030753

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040030753 A1

TITLE: Bounded-deferral policies for guiding the timing of alerting, interaction and communications using local sensory information

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: 709/206

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 20040015557 A1

L17: Entry 2 of 29

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040015557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040015557 A1

TITLE: Methods for routing items for communications based on a measure of criticality

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric	Kirkland	WA	US	

US-CL-CURRENT: 709/206

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 3. Document ID: US 20040003042 A1

L17: Entry 3 of 29

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040003042

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040003042 A1

TITLE: Methods and architecture for cross-device activity monitoring, reasoning, and visualization for providing status and forecasts of a users' presence and availability

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Koch, Paul	Toronto	WA	CA	
Apacible, Johnson T.	Redmond	WA	US	
Kadie, Carl M.	Bellevue		US	

US-CL-CURRENT: 709/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 4. Document ID: US 20040002988 A1

L17: Entry 4 of 29

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002988

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002988 A1

TITLE: System and method for modeling subscriptions and subscribers as data

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Seshadri, Praveen	Bellevue	WA	US	
Garrett, Phil	Woodinville	WA	US	
Sundaresan, Prakash	Seattle	WA	US	
Blanch, Robert F.	Clyde Hill	WA	US	
Knight, Holly	Woodinville	WA	US	
Dievendorff, Richard	Bellevue	WA	US	

US-CL-CURRENT: 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 5. Document ID: US 20040002972 A1

L17: Entry 5 of 29

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002972

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002972 A1

TITLE: Programming model for subscription services

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pather, Shyamalan	Seattle	WA	US	
Seshadri, Praveen	Bellevue	WA	US	
Garrett, Phil	Woodinville	WA	US	
Blanch, Robert F.	Clyde Hill	WA	US	
Knight, Holly	Woodinville	WA	US	
Dievendorff, Richard	Bellevue	WA	US	
Curley, Vincent H.	Bellevue	WA	US	

US-CL-CURRENT: 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 6. Document ID: US 20040002958 A1

L17: Entry 6 of 29

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002958

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002958 A1

TITLE: System and method for providing notification(s)

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Seshadri, Praveen	Bellevue	WA	US	
Garrett, Phil	Woodinville	WA	US	
Blanch, Robert F.	Clyde Hill	WA	US	
Pather, Shyamalan	Seattle	WA	US	
Knight, Holly	Woodinville	WA	US	
Dievendorff, Richard	Bellevue	WA	US	
Curley, Vincent H.	Bellevue	WA	US	

US-CL-CURRENT: 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 7. Document ID: US 20030212646 A1

L17: Entry 7 of 29

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030212646

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030212646 A1

TITLE: Computational architecture for managing the transmittal and rendering of information, alerts, and notifications

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric	Kirkland	WA	US	

US-CL-CURRENT: 706/46; 345/700, 709/223, 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 8. Document ID: US 20030126013 A1

L17: Entry 8 of 29

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030126013

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030126013 A1

TITLE: Viewer-targeted display system and method

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shand, Mark Alexander	Dampierre-en-Yvelines		FR	

US-CL-CURRENT: 705/14; 345/700

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 9. Document ID: US 20030123754 A1

L17: Entry 9 of 29

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030123754

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030123754 A1

TITLE: Machine vision system and method for estimating and tracking facial pose

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Toyama, Kentaro	Redmond	WA	US	

US-CL-CURRENT: 382/291

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 20030101151 A1

L17: Entry 10 of 29

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030101151
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030101151 A1

TITLE: Universal artificial intelligence software program

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Holland, Wilson Lee	West Palm Beach	FL	US	

US-CL-CURRENT: 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 11. Document ID: US 20030093790 A1

L17: Entry 11 of 29

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093790
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030093790 A1

TITLE: Audio and video program recording, editing and playback systems using metadata

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Logan, James D.	Windham	NH	US	

Durgin, Scott A.	North Andover	MA	US
Doe, Brian D.	Windham	NH	US
Colella, Vincent E.	Wilmington	MA	US
Hale, McFarland	North Chelmsford	MA	US
Mansfield, Paul M.	Burlington	MA	US
Read, Gregory J.	Newbury	MA	US
Santos, Jeffrey M.	Newburyport	MA	US
Palone, Michael G.	Acton	MA	US
Boone, Stephen	Windham	NH	US

US-CL-CURRENT: [725/38](#); [345/783](#), [345/845](#), [725/134](#), [725/142](#), [725/61](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 12. Document ID: US 20020184021 A1

L17: Entry 12 of 29

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184021
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184021 A1

TITLE: Signalling and controlling the status of an automatic speech recognition system for use in handsfree conversational dialogue

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric	Kirkland	WA	US	

US-CL-CURRENT: [704/240](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 13. Document ID: US 20020120925 A1

L17: Entry 13 of 29

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120925
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020120925 A1

TITLE: Audio and video program recording, editing and playback systems using metadata

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Logan, James D. Windham NH US

US-CL-CURRENT: 725/9; 725/13, 725/135, 725/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 14. Document ID: US 20020087649 A1

L17: Entry 14 of 29

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020087649

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020087649 A1

TITLE: Bounded-deferral policies for reducing the disruptiveness of notifications

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: 709/207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 15. Document ID: US 20020055837 A1

L17: Entry 15 of 29

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055837

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020055837 A1

TITLE: Processing a speech frame in a radio system

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ahonen, Petri	Jyvaskyla		FI	

US-CL-CURRENT: 704/228

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 16. Document ID: US 6657643 B1

L17: Entry 16 of 29

File: USPT

Dec 2, 2003

US-PAT-NO: 6657643
DOCUMENT-IDENTIFIER: US 6657643 B1

TITLE: Modulating the behavior of an animated character to reflect beliefs inferred about a user's desire for automated services

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: 345/764; 345/709, 345/745, 345/751, 345/781

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Drawings
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☐ 17. Document ID: US 6622160 B1

L17: Entry 17 of 29

File: USPT

Sep 16, 2003

US-PAT-NO: 6622160
DOCUMENT-IDENTIFIER: US 6622160 B1

TITLE: Methods for routing items for communications based on a measure of criticality

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: 709/206; 709/207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Drawings
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☐ 18. Document ID: US 6618716 B1

L17: Entry 18 of 29

File: USPT

Sep 9, 2003

US-PAT-NO: 6618716
DOCUMENT-IDENTIFIER: US 6618716 B1

TITLE: Computational architecture for managing the transmittal and rendering of information, alerts, and notifications

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Horvitz; Eric Kirkland WA

US-CL-CURRENT: 706/55; 706/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 19. Document ID: US 6513026 B1

L17: Entry 19 of 29

File: USPT

Jan 28, 2003

US-PAT-NO: 6513026

DOCUMENT-IDENTIFIER: US 6513026 B1

TITLE: Decision theoretic principles and policies for notification

DATE-ISSUED: January 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric J.	Kirkland	WA		
Hovel; David O.	Bellevue	WA		
Kadie; Carl M.	Bellevue	WA		

US-CL-CURRENT: 706/46; 707/102, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 20. Document ID: US 6505167 B1

L17: Entry 20 of 29

File: USPT

Jan 7, 2003

US-PAT-NO: 6505167

DOCUMENT-IDENTIFIER: US 6505167 B1

TITLE: Systems and methods for directing automated services for messaging and scheduling

DATE-ISSUED: January 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Jacobs; Andrew W.	Seattle	WA		

US-CL-CURRENT: 705/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 21. Document ID: US 6502082 B1

L17: Entry 21 of 29

File: USPT

Dec 31, 2002

US-PAT-NO: 6502082

DOCUMENT-IDENTIFIER: US 6502082 B1

**** See image for Certificate of Correction ****

TITLE: Modality fusion for object tracking with training system and method

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Toyama; Kentaro	Redmond	WA	98052	
Horvitz; Eric J.	Kirkland	WA	98033	

US-CL-CURRENT: 706/16; 706/15, 706/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 22. Document ID: US 6499025 B1

L17: Entry 22 of 29

File: USPT

Dec 24, 2002

US-PAT-NO: 6499025

DOCUMENT-IDENTIFIER: US 6499025 B1

TITLE: System and method for tracking objects by fusing results of multiple sensing modalities

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric J.	Kirkland	WA		
Toyama; Kentaro	Redmond	WA		

US-CL-CURRENT: 706/52; 342/64, 700/90

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 23. Document ID: US 6490698 B1

L17: Entry 23 of 29

File: USPT

Dec 3, 2002

US-PAT-NO: 6490698

DOCUMENT-IDENTIFIER: US 6490698 B1

TITLE: Multi-level decision-analytic approach to failure and repair in human-computer interactions

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Paek; Timothy	Redmond	WA		

US-CL-CURRENT: [714/46](#); [704/251](#), [704/257](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw. De
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☐ 24. Document ID: US 6434527 B1

L17: Entry 24 of 29

File: USPT

Aug 13, 2002

US-PAT-NO: 6434527

DOCUMENT-IDENTIFIER: US 6434527 B1

TITLE: Signalling and controlling the status of an automatic speech recognition system for use in handsfree conversational dialogue

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		

US-CL-CURRENT: [704/275](#); [704/251](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw. De
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☐ 25. Document ID: US 6421655 B1

L17: Entry 25 of 29

File: USPT

Jul 16, 2002

US-PAT-NO: 6421655

DOCUMENT-IDENTIFIER: US 6421655 B1

TITLE: Computer-based representations and reasoning methods for engaging users in goal-oriented conversations

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Paek; Timothy S.	Redmond	WA		

US-CL-CURRENT: [706/61](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 26. Document ID: US 6351698 B1

L17: Entry 26 of 29

File: USPT

Feb 26, 2002

US-PAT-NO: 6351698

DOCUMENT-IDENTIFIER: US 6351698 B1

TITLE: Interactive vehicle control system

DATE-ISSUED: February 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kubota; Tomoki	Tokyo-to			JP
Hori; Koji	Tokyo-to			JP
Mazda; Manabu	Chiba-ken			JP
Adachi; Kazuhide	Tokyo-to			JP
Mukai; Kouji	Tokyo-to			JP

US-CL-CURRENT: 701/51; 340/988, 701/209, 701/211

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 27. Document ID: US 6260035 B1

L17: Entry 27 of 29

File: USPT

Jul 10, 2001

US-PAT-NO: 6260035

DOCUMENT-IDENTIFIER: US 6260035 B1

TITLE: Intelligent user assistance facility for a software program

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Breese; John S.	Mercer Island	WA		
Heckerman; David E.	Bellevue	WA		
Hobson; Samuel D.	Seattle	WA		
Hovel; David O.	Redmond	WA		
Klein; Adrian C.	Seattle	WA		
Rommelse; Jacobus A.	Westerhoven			NL
Shaw; Gregory L.	Kirkland	WA		

US-CL-CURRENT: 706/60; 706/11, 706/47, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 28. Document ID: US 6233570 B1

L17: Entry 28 of 29

File: USPT

May 15, 2001

US-PAT-NO: 6233570

DOCUMENT-IDENTIFIER: US 6233570 B1

TITLE: Intelligent user assistance facility for a software program

DATE-ISSUED: May 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA		
Breese; John S.	Mercer Island	WA		
Heckerman; David E.	Bellevue	WA		
Hobson; Samuel D.	Seattle	WA		
Hovel; David O.	Redmond	WA		
Klein; Adrian C.	Seattle	WA		
Rommelse; Jacobus A.	Westerhoven			NL
Shaw; Gregory L.	Kirkland	WA		

US-CL-CURRENT: 706/11; 706/12, 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 29. Document ID: US 5077677 A

L17: Entry 29 of 29

File: USPT

Dec 31, 1991

US-PAT-NO: 5077677

DOCUMENT-IDENTIFIER: US 5077677 A

TITLE: Probabilistic inference gate

DATE-ISSUED: December 31, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy; John H.	Penn Hills	PA		
Jeeves; Terry A.	Penn Hills	PA		
Anderson; Arthur A.	Turtle Creek	PA		

US-CL-CURRENT: 706/62; 706/52, 706/900, 708/490

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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